$$f_1 = nl_2(y_{10}) + nl_2(y_{16}) + nl_8(y_{12})$$
$$f_2 = nl_2(y_1) + nl_5(y_6) + nl_3(y_6)$$
$$f_3 = nl_6(y_{11})$$
$$f_4 = nl_{10}(y_1) + nl_{10}(y_7)$$
$$f_5 = nl_6(y_{15}) + nl_7(y_{11}) + nl_6(y_2)$$
$$f_6 = nl_5(y_5) + nl_1(y_1)$$
$$f_7 = nl_8(y_{17}) + nl_8(y_{15})$$
$$f_8 = nl_6(y_5) + nl_9(y_{17}) + nl_5(y_{11})$$
$$f_9 = nl_3(y_4)$$
$$f_{10} = nl_9(y_4) + nl_4(y_{14}) + nl_1(y_3)$$
$$f_{11} = nl_2(y_{16}) + nl_2(y_{10})$$
$$f_{12} = nl_{10}(y_4)$$
$$f_{13} = nl_{10}(y_{18})$$
$$f_{14} = nl_8(y_{18}) + nl_8(y_{17})$$
$$f_{15} = nl_{10}(y_4)$$
$$f_{16} = nl_8(y_2) + nl_5(y_7) + nl_7(y_2)$$
$$f_{17} = nl_8(y_{20}) + nl_8(y_4) + nl_8(y_2)$$
$$f_{18} = nl_9(y_{14}) + nl_9(y_5)$$
$$f_{19} = nl_6(y_{11}) + nl_7(y_{14})$$
$$f_{20} = nl_3(y_1) + nl_3(y_3) + nl_{10}(y_{10})$$